

Procedural variation

An object is moving with a velocity that changes proportionally with time. After **5 seconds** its velocity is **105 m/s**.

- (a) How fast will it be travelling after **12 seconds**?

Velocity (m/s)	105				
Time (s)	5				12

- (b) How fast will it be travelling after **4 seconds**?

Velocity (m/s)	105			
Time (s)	5			4

- (c) How fast will it be travelling after **2 minutes and 13 seconds**?

Velocity (m/s)	105					
Time (s)	5					133

Naz buys a fridge from a shop for £189.

Commented [EP1]: This question was not used in PPT

The cost of delivery is proportional to the distance from the shop.

For **15 miles**, the cost is **£9**.

Naz lives **24 miles** from the shop.

Is the total cost for the fridge and delivery **more** than £200?

You **must** show your working.

Distance (miles)	15				24
Cost (£)	9				